

**Safety Data Sheet**  
**Castaldo® Resin Release Spray**



**SDS Revision Date:**

**10/08/2015**

**Product Identifier**

**Product Name:** Castaldo® Resin Release

<b>1. Identification</b>
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**Other means of identification**

**UN/ID** UN1950

**Recommended use of the chemical and restrictions on use**

**Recommended use** Mold release

**Name, Address, and Telephone of the Responsible Party**

**Company Name:**  
F. E. Knight Inc.  
120 Constitution Blvd.,  
Franklin, MA 02038, USA

**Emergency Telephone Number**

**Emergency Number:** Chem-Tel: 1-800-255-3924 or 617-969-5399

**Company Telephone Number:** (508) 520-1666

<b>2: Hazards identification of the product</b>
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**Appearance:** Clear, colorless aerosol

**Physical State:** Aerosol

**Classification**

**Flammable Aerosols:** Category 2

**Gases Under Pressure:** liquefied gas  
**Simple asphyxiants:** Simple asphyxiants

**Signal Word:** **Warning**

**Hazard Statements:** Flammable Aerosol  
Contains gas under pressure; may explode if heated  
May displace oxygen and cause rapid suffocation

**Label Elements**

**GHS-US Labeling :**

**Hazard Pictograms (GHS-US):**



**Precautionary**

**Statements - Prevention:** Keep away from heat/sparks/open flames/hot surfaces.  
— No smoking — Do not spray on an open flame or other ignition source

**Pressurized container:** Do not pierce or burn, even after use

**Precautionary**

**Statements - Storage:** Protect from sunlight. Store in a well-ventilated place  
Do not expose to temperatures exceeding 122°F (50°C)

**3: Composition / information on ingredients**

<b>Chemical Name</b>	<b>CAS No</b>	<b>Weight-%</b>
Dimethyl ether	115-10-6	50-70
1,1,1,2-Tetrafluoroethane	811-97-2	30-40
Lecithins, acetylated	91053-50-8	1-5

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

## 4: First aid measures

### Description of First Aid Measures

<b>Eye Contact :</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin contact:</b>	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation occurs: Get medical advice/attention.
<b>Inhalation:</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician if you feel unwell.
<b>Ingestion:</b>	Call a poison center or doctor/physician if you feel unwell. Rinse mouth.

### Most Important Symptoms and Effects Both Acute and Delayed

<b>Symptoms:</b>	Irritation by inhalation. Irritation to skin and eyes. Overexposure by inhalation may cause CNS depression-drowsiness, dizziness, confusion or loss of coordination. "Frostbite-like" effects may occur if the liquid or escaping vapors contact the eyes or skin.
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### Indication of any immediate medical attention and special treatment needed.

<b>Notes to physician:</b>	Treat symptomatically.
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## 5: Fire-fighting measures

**Suitable Extinguishing Media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media:** Not determined.

### Special Hazards Arising from substance or media

**Fire Hazard:** Flammable aerosol. Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level.

**Explosion Hazard:** May form flammable/explosive vapor-air mixture. Heating may cause an explosion. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

**Advice for Firefighters**  
**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions**  
**Leaking gas Fire:** Do not extinguish, unless leak can

**Protective equipment and precautions for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. If container is not properly cooled, it can rupture in the heat of a fire.

## 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions :** Wear protective clothing as described in Section 8 of this safety data sheet. Evacuate personnel to safe areas. In case of spill, evacuate the area and remove all ignition sources.

**For Emergency Responders:** Follow applicable OSHA regulations (29 CFR 1910.120).

**Environmental Precautions:** See Section 12 for additional Ecological Information.

#### Methods for Cleaning Up

**Methods for Containment:** Prevent further leakage or spillage if safe to do so. Soak up condensate with inert absorbent material and collect in ventilated waste container for disposal.

**Methods for Clean-Up:** Use clean non-sparking tools to collect absorbed material. Sweep up absorbed material and shovel into suitable containers for disposal.

## 7: Handling and storage

### Precautions for Safe Handling

**Advice on Safe Handling :** Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin, eyes or clothing. Wash face, hands, and any exposed skin thoroughly after handling. Use personal protection recommended in Section 8. Avoid breathing vapors, mist or gas. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Pressurized container: Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions :** Do not store at temperatures above 120°F. Keep away from incompatible materials, open flames, and high temperatures.

**Incompatible Materials :** Strong oxidizing agents.

## 8: Exposure controls / personal protection

**Exposure Guidelines:** No exposure limits noted for ingredient(s). The following information is given as general guidance

### Appropriate engineering controls

**Engineering Controls:** Maintain eye wash fountain and quick-drench facilities in work area.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection :** Avoid contact with eyes. Wear approved safety goggles.

**Skin and Body Protection:** Use solvent impermeable gloves to avoid contact with product.

**Respiratory Protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose

combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**General Hygiene Considerations:** Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown on section 4 of this SDS. Launder contaminated clothing before reuse.

## 9. Physical and chemical propertie

### Information on Basic Physical and Chemical Properties

<b>Physical State:</b>	Aerosol
<b>Appearance:</b>	Clear Colorless Aerosol
<b>Color:</b>	Clear, colorless
<b>Odor:</b>	Not determined
<b>Odor Threshold:</b>	Not determined

Property	Values	Remark method
<b>pH:</b>	Not applicable	
<b>Melting Point/Freezing Point :</b>	Not applicable	
<b>Boiling Point/Boiling Range:</b>	Not determined	
<b>Flash Point:</b>	Not applicable	
<b>Evaporation rate</b>	Not determined	
<b>Flammability (Solid, Gas):</b>	Not determined	
<b>Upper Flammability Limits:</b>	Not applicable	
<b>Lower Flammability Limits:</b>	Not applicable	
<b>Vapor Pressure:</b>	69.0 pig	(@21°C (70°F))
<b>Vapor density:</b>	2.6	(Air=1)

**Specific Gravity:** 0.989 (1=Water)

**Water Solubility:** Insoluble

**Solubility in other solvents:** Not determined

**Partition Coefficient:** Not determined

**Auto-ignition Temperature:** Not determined

**Decomposition Temperature:** Not determined

**Kinematic Viscosity :** Not determined

**Dynamic Viscosity:** Not determined

**Explosive Properties:** Not determined

**Oxidizing Properties:** Not determined

## 10: Stability and reactivity

**Reactivity:** Not reactive under normal conditions.

**Chemical Stability:** Stable under recommended storage conditions.

**Possibility of**

**Hazardous Reactions:** None under normal processing.

**Hazardous Polymerization :** Hazardous polymerization does not occur.

**Conditions to avoid:** Keep away from heat, sparks and open flame. Contact with incompatible materials

**Incompatible Materials** Strong oxidizing agents

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Dimethyl ether 115-10-6	-	-	= 308.5 mg/L ( Rat ) 4 h
1,1,1,2-Tetrafluoroethane 811-97-2	-	-	= 1500 g/m <sup>3</sup> ( Rat ) 4 h
Lecithins, acetylated 91053-50-8	= >5001 mg/kg (Rat)	-	-

## Hazardous Decomposition

**Products:** May emit toxic fumes under fire conditions.

## 11: Toxicological information

### Information on likely routes of exposure

#### Product Information

**Eye Contact:** Irritating to eyes. Contact with rapidly expanding gas may cause burns or frostbite.

**Skin Contact:** Irritating to skin. Contact with the liquefied or pressurized gas may cause frostbite ("cold" burn).

**Inhalation:** May displace oxygen and cause rapid suffocation.

**Ingestion:** Ingestion may cause irritation to mucous membranes.

#### Component Information

### Information on physical, chemical and toxicological effects

**Symptoms:** Please see section 4 of this SDS for symptoms.

### Delayed and immediate effects as well as chronic effects of short and long-term exposure

**Carcinogenicity :** Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical measures of toxicity:** Not determined

## 12: Ecological information

**Ecotoxicity:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

**Persistence and Degradability:** Not determined.

### Siloxanes and Silicones, di-Me (63148-62-9)

**Bioaccumulation:** Not determined.

### Mobility

**Chemical Name :** Dimethyl ether 115-10-6



Partition Coefficient : -0.18  
 Other Adverse Effects: Not determined

**13: Disposal considerations**

**Waste Treatment Methods**

**Disposal of Wastes:** Disposal should be in accordance with applicable regional, national and local laws and regulations.


**Contaminated Packaging:** Disposal should be in accordance with applicable regional, national and local laws and regulations.


**14: Transport information**


**Note:** Based on package size, product may be eligible for

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Dimethyl ether	Present	X		Present		Present	X	Present	X	X
1,1,1,2-Tetrafluoroethane	Present	X		Present		Present	X	Present	X	X
Lecithins, acetylated				Present			X			

limited quantity exception.

**DOT** Consumer Commodity, ORM-D  
**UN/ID No.:** UN1950  
**Proper Shipping Name :** Aerosols   
**Hazard Class:** 2.1

**IATA**  
**UN/ID No.:** UN1950  
**Proper Shipping Name :** Aerosols, flammable   
**Hazard Class:** 2.1

**IMDG:**  
**UN/ID No.:** UN1950  
**Proper Shipping Name :** Aerosols   
**Hazard Class:** 2.1

## 15: Regulatory information

### International Inventories

#### Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Dimethyl ether 115-10-6	X	X	X

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

### US Federal Regulations

#### CERCLA:

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

#### SARA 313:

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372 **CWA (Clean Water**

#### Act):

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

### US State Regulations

#### California Proposition 65:

This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

## 16. Other Information

### NFPA

Health Hazards:	Not determined
Flammability:	Not determined
Instability:	Not determined
Special Hazards:	Not determined

### HMIS

Health Hazards:	Not determined
Flammability:	Not determined
Physical Hazards:	Not determined
Personal Protection:	Not determined

Issue Date:	19-Mar-2015
Revision Date:	20-Mar-2015
Revision Note:	New format

### Disclaimer

*The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.*